DOCKET NO: C1040.70006US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Serial No:

McCluskie et al.

Confirmation No:

09/316,199 7506

Filed:

May 21, 1999

For:

METHODS AND PRODUCTS FOR INDUCING

MUCOSAL ACTIVITY

Examiner:

Dave Nguyen

Art Unit:

1632

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 20 day of November, 2003.

Helen C. Lockhart

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

1. The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

	Docket Number	Serial Number	Filing Date	Inventor(s)
	C1037.70013US00	09/776,479	2/2/01	Bratzler et al.
\	C1037.70016US00	09/009,634	1/20/98	Hutcherson et al.
	C1037.70018US00	09/801,839	3/8/01	Bratzler et al.
	C1037.70019US00	09/920,313	8/1/01	Bratzler et al.
	C1037.70021US00	09/949,194	9/7/01	Peterson et al.
	C1037.70025US00	10/017,995	12/14/01	Bratzler
	C1037.70041US00	10/613,749	7/3/03	Krieg
1	C1037.70042US00	10/613,524	7/3/03	Krieg
	C1037.70043US00	10/613,739	7/3/03	Krieg
	C1037.70044US00	10/613,736	7/3/03	Krieg
	C1037.70045US00	10/613,228	7/3/03	Krieg
	C1037.70046US00	10/455,247	6/5/03	Krieg
	C1037.70048US00	10/644,052	8/19/03	Krieg et al.
	C1037.70049US00	10/643,141	8/18/03	Hutcherson et al.
	C1037.70051US00	10/666,733	9/19/03	Bratzler et al.
	C1037.70052US00	10/666,050	9/22/03	Bratzler et al.
\setminus	C1039.70022US00	09/337,893	6/21/99	Krieg
4	C1039.70028US00	09/361,575	7/27/99	Krieg
1	C1039.70029US00	09/415,142	10/9/99	Krieg et al.
`[C1039.70035US00	09/669,187	09/25/00	Krieg et al.
-	C1039.70036US00	09/559,140	4/27/00	Noll et al.
\dashv	C1039.70041US00	09/655,319	9/5/00	Krieg et al.
$\overline{}$	C1039.70042US00	09/630,319	7/31/00	Krieg et al.
\cdot	C1039.70043US00	09/629,477	7/31/00	Krieg et al.
\dashv	C1039.70044US00	09/672,126	9/27/00	Hartmann et al.
\	C1039.70048US00	09/818,918	3/27/01	Krieg et al.
	C1039.70049US00	09/824,468	04/02/01	Krieg et al.
-	C1039.70052US00	09/888,326	6/22/01	Weiner et al.
*	C1039.70053US00	09/931,583	8/16/01	Krieg et al.
~	C1039.70057US00	09/965,101	9/26/01	Davis et al.
4	C1039.70058US00	10/023,909	12/18/01	Davis et al.

Docket Number	Serial Number	Filing Date	Inventor(s)
C1039.70060US00	10/112,653	3/29/02	Krieg et al.
C1039.70061US00	10/161,229	6/3/02	Krieg et al.
C1039.70062US00	10/187,489	7/2/02	Krieg et al.
C1039.70063US00	10/224,523	8/19/02	Krieg et al.
C1039.70065US00	10/272,502	10/15/02	Krieg et al.
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C1039.70068US00	10/306,522	11/27/02	Krieg et al.
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C1039.70083US00	10/690,495	10/21/03	Krieg
C1039.70084US00	10/649,584	8/25/03	Krieg et al.
C1040.70010US00	09/768,012	1/22/01	Davis et al.
C1041.70002US00	09/241,653	2/2/99	Wagner et al.
C1041.70005US00	09/355,254	7/23/99	Wagner et al.
C1041.70014US00	09/895,007	6/28/01	Schetter et al.
C1041.70016US00	09/954,987	9/17/01	Bauer et al.
C1041.70019US00	10/140,013	5/6/02	Schetter et al.
C1041.70029US00	10/212,133	8/1/02	Lipford et al.
C1041.70031US00	10/265,072	10/5/02	Lipford
C1041.70035US00	10/373,381	2/24/03	Wagner et al.
C1041.70037US00	10/407,952	4/4/03	Lipford et al.

Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;

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3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted, McCluskie et al., *Applicant*

By:

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Docket No. C1040.70006US00 Date: November **26**, 2003

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FORM PTO-1449/A and B (Modified) APPLICATION NO.: 09/316,199 ATTY. DOCKET NO.: C1040.70006US00 INFORMATION DISCLOSURE FILING DATE: May 21, 1999 CONFIRMATION NO.: 7506 STATEMENT BY APPLICANT APPLICANT: McCluskie et al. GROUP ART UNIT: 1632 EXAMINER: Dave Nguyen Sheet 3 1 of

			U.S.	PATENT DOCUMENTS		
Examiner's	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue	
Initials		Number	Kind Code	Document	of Cited Document MM-DD-YYYY	
	A1	6,174,872		Carson et al.	01/16/2001	
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	A8	6,406,705		Davis et al.	06/18/2002	
	A9	6,429,199		Krieg et al	08/06/2002	
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	A11	6,562,798	- 1 11 -	Schwartz	05/13/2003	
	A12	6,589,940		Raz et al.	07/08/2003	

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	/	US	20020055477A1		Nest et al.	05/09/2002	
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					FILING DATE:	May 21, 1999	CONFIRMATION NO.: 7506
Sheet 2 of 3			APPLICANT:	McCluskie et al.			
			GROUP ART UN	IT: 1632	EXAMINER: Dave Nguyen		

Examiner's Initials	Cite No	OTHER ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translatio (Y/N)
	ÆÍ	Choi AH et al., "The level of protection against rotavirus shedding in mice following immunization with a chimeric VP6 protein is dependant on the route and the coadministered adjuvant", <i>Vaccine</i> . 2002 Mar 15;20(13-14): 1733-40.	
	C2	Davis, HL, "Use of CpG DNA for enhancing specific immune responses", Curr Top Microbiol Immunol. 2000; 247: 171-83.	
	C3/	Dumais, N. et al., "Mucosal immunization with inactivated human immunodeficiency virus plus CpG oligodeoxynucleoties induce genital immune responses and protection against intravaginal challenge", J. Infect. Dis. 2002 Oct 15; 186(8):1098-105. Epub 2002 Sept.	
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	C9	Krieg, AM, "CpG oligoneucleotides as immune adjuvants", Ernst Schering Res. Found Workshop, 2000; (30): 105-18.	
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INFORMATION DISCLOSU		CONFIRMATION NO.: 7506	
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	GROUP ART UNIT: 1632	EXAMINER: Dave Nguyen	
Sheet 3 of 3			

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C20	McCluskie, MJ et al., "Oral, intrarectal and intranasal immunizations using CpG and non-CpG oligodeoxynucleotides as adjuvants", <i>Vaccine</i> 19 (2001) 413-422	
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	C30	Weeratna, RD et al., "CpG ODN can redirect the Th bias of established Th2 immune responses in adult and young mice", FEMS Immunol Med Microbiol. 2001 Dec; 32(1): 65-71.	
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EXAMINER	DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.